

# Multi-Paired, Foil/Braid Shield, Lo-Cap®

UL 2919, NEC Type CM (UL) c(UL) CMH



## Product Construction:

### Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B-33
- Twisted pairs

### Insulation:

- Premium-grade, color-coded Lo-Cap® foamed polypropylene
- Color code: See chart below

### Shield:

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Stranded tinned copper drain wire
- 65% tinned copper braid

### Jacket:

- PVC, gray
- Temperature range: -20°C to +80°C

## Applications:

- High-speed computer interconnects
- CAD/CAM systems
- EIA RS-232 and RS-423 systems
- Control circuits
- Industrial equipment
- Low signal distortion data requirements
- Suggested voltage rating: 30 volts

## Features:

- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20789 demands

## Compliances:

- NEC Article 800 Type CM/CMH (UL: 75°C)
- UL Style 2919 (UL: 80°C, 30V)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test

## Packaging:

- Please contact Customer Service for packaging and color options

CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR		VEL. OF PROP., %	NOM. IMP., Ω	NOMINAL CAP.*	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.			A	B
C0515A	2	24	7/32	0.016	0.41	0.032	0.81	0.276	7.01	25.7	3.0	78	132	10.2	18.4
C0516A	3	24	7/32	0.016	0.41	0.032	0.81	0.290	7.37	25.7	3.2	78	132	9.9	17.8
C0517A	4	24	7/32	0.016	0.41	0.032	0.81	0.315	8.00	25.7	3.3	78	132	9.9	17.8
C0518A	5	24	7/32	0.016	0.41	0.032	0.81	0.340	8.64	25.7	4.2	78	132	9.9	17.8
C0519A	6	24	7/32	0.016	0.41	0.032	0.81	0.368	9.35	25.7	3.6	78	141	9.2	16.6
C0520A	7	24	7/32	0.016	0.41	0.032	0.81	0.370	9.40	25.7	3.5	78	141	9.2	16.6
C0521A	8	24	7/32	0.016	0.41	0.032	0.81	0.397	10.08	25.7	2.7	78	141	9.2	16.6
C0522A	10	24	7/32	0.016	0.41	0.038	0.97	0.473	12.01	25.7	2.4	78	141	9.2	16.6
C0523A	12.5	24	7/32	0.016	0.41	0.038	0.97	0.486	12.34	25.7	2.4	78	141	9.2	16.6
C0524A	15	24	7/32	0.016	0.41	0.048	1.22	0.555	14.10	25.7	2.6	78	141	9.2	16.6
C0525A	18	24	7/32	0.016	0.41	0.048	1.22	0.585	14.86	25.7	2.1	78	141	9.2	16.6
C0526A	25	24	7/32	0.016	0.41	0.048	1.22	0.677	17.20	25.7	2.0	78	141	9.2	16.6

\*A – Capacitance between conductors

\*B – Capacitance between one conductor and other conductors connected to shield

## Color Code Chart

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	White-Blue Stripe Blue-White Stripe	10	Red-Gray Stripe Gray-Red Stripe	18	Yellow-Green Stripe Green-Yellow Stripe
2	White-Orange Stripe Orange-White Stripe	11	Black-Blue Stripe Blue-Black Stripe	19	Yellow-Brown Stripe Brown-Yellow Stripe
3	White-Green Stripe Green-White Stripe	12	Black-Orange Stripe Orange-Black Stripe	20	Yellow-Gray Stripe Gray-Yellow Stripe
4	White-Brown Stripe Brown-White Stripe	13	Black-Green Stripe Green-Black Stripe	21	Violet-Blue Stripe Blue-Violet Stripe
5	White-Gray Stripe Gray-White Stripe	14	Black-Brown Stripe Brown-Black Stripe	22	Violet-Orange Stripe Orange-Violet Stripe
6	Red-Blue Stripe Blue-Red Stripe	15	Black-Gray Stripe Gray-Black Stripe	23	Violet-Green Stripe Green-Violet Stripe
7	Red-Orange Stripe Orange-Red Stripe	16	Yellow-Blue Stripe Blue-Yellow Stripe	24	Violet-Brown Stripe Brown-Violet Stripe
8	Red-Green Stripe Green-Red Stripe	17	Yellow-Orange Stripe Orange-Yellow Stripe	25	Violet-Gray Stripe Gray-Violet Stripe
9	Red-Brown Stripe Brown-Red Stripe				

Single Conductor: Green with Yellow Stripe

**CAROL BRAND**

c(UL) US LISTED

**UL**

Designed to Meet  
UL Vertical Tray  
Flame Test  
Underwriters Laboratories Inc.

RoHS Compliant  
Directive 2002/95/EC

**General Cable**